REMARKS

Claims 53-84 are pending in this application. By this Amendment, claims 1-28 are cancelled and claims 53-84 are added.

For the Examiner's convenience (and in order to expedite allowance), new claims 53-77 generally correspond to previous claims 1-24 and 26. New claims 53-84 were added for clarity, to refocus the features of the claims, and for issues unrelated to patentability. The Examiner will notice that differences between the previous claims and the pending claims include, but are not limited to, the recitation of --motion vector-- rather than "motion vectors" as well as the fifth step of calculating the pixel value of the pixel at coordinates (x+y, y+w) in the interframe predicted image using the reference image and the motion vector of the pixel at coordinates (x+w, y+w) calculated in the fourth step. Other differences exist between the previous claims and the new claims.

The May 1 Amendment was fully responsive to the Office Action dated February 5. In order to aid Examiner Lee in the examination of claims 53-84, applicants will briefly address the new claims based on the Office Action's previous rejections of 35 U.S.C. §112, second paragraph, and 35 U.S.C. §101. It is believed that the previous rejection based on 35 U.S.C. §112 , first paragraph, was obviated based on the previous specification amendment. These comments are made to aid Examiner Lee in the examination. Applicants do not believe the present claims should be rejected.

The Office Action questions the support for an equation in claim 4. New claim 56 generally corresponds to previous claim 4 and includes a similar equation.

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Similar to that previously stated with respect to claim 4, support for claim 56 is provided in the English-language specification at least at page 24, lines 10-24. That is, claim 56 represents a process changing vertical and horizontal features. The characters L, P, B and T represent left, right, bottom and top, respectively. Claim 56 may be obtained by changing uL, vL, uR, vR, y and q in claim 3 (similar to new claim 55) to uT, vT, uB, vB, x and p, respectively. Thus, the application supports the equation in claim 56. These equations are also part of original claim 4, which therefore means the equations are supported by the original application.

The Office Action rejects claims 1-28 under 35 U.S.C. §112, second paragraph. The new claims include suggestions made in the Office Action. The Examiner is requested to contact applicant's undersigned attorney if any formal matters exist with respect to the new claims.

The Office Action also rejects claims 1-28 under 35 U.S.C. §101 as being directed to non-statutory subject matter. Similar to that previously recited with regard to claims 1 and 2, new independent claims 53 and 54 recite "for encoding/decoding image information" in the preamble. Applicants believe that the language "for encoding/decoding image information" is proper. That is, independent claim 53 relates to a method of synthesizing an interframe predicted image of a current frame from a reference image for encoding/decoding image information. It clear that the body of claim 53 (and similarly the other claims) is positively linked to the preamble. The alleged "end product" as set forth in the Office Action is clearly satisfied by the "for encoding/decoding information". The respective features set
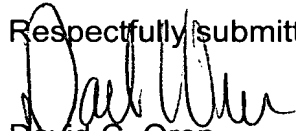
forth in the claims relate to a useful, concrete and tangible result. As such, the new claims comply with 35 U.S.C. §101.

CONCLUSION

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 53-84 is earnestly solicited.

Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of Antonelli, Terry, Stout & Kraus, LLP, Deposit Account No. 01-2135 (520.37902X00).

Respectfully submitted,

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